

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-10. (Canceled)

11. (Currently Amended) An isolated polypeptide monomer comprising an alpha subunit of a heteromeric potassium channel, the polypeptide monomer:

(i) having the ability to form, with at least one additional ~~Kv~~ voltage-gated potassium channel (Kv) alpha subunit, a heteromeric potassium channel having the characteristic of voltage gating; and

(ii) having an amino acid sequence that has greater than 70% 90% amino acid sequence identity to ~~SEQ ID NO: 1 or SEQ ID NO:17;~~ and

(iv) ~~specifically binding to polyclonal antibodies generated against SEQ ID NO:1 or SEQ ID NO:17.~~

12-13. (Cancelled)

14. (Currently Amended) The isolated polypeptide monomer of claim 11, wherein the polypeptide monomer has ~~an~~ the amino acid sequence of ~~SEQ ID NO:1 or SEQ ID NO:17.~~

15-36. (Canceled)